

Alaska DOT&PF Rural Airport System Project Evaluation Overview

Southeast Regional Transportation Forum

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Alaska Rural Airport System

- 256 DOT&PF Airports**
- Excludes ANC & FAI**
- \$1.49 B in Airport Needs currently Identified and Evaluated**

Airport Project Identification, Evaluation and Programming Process

- Needs Identification – **Verne Skagerberg, Southeast Region Aviation Planner**
- Airport Project Evaluation Board Scores Projects Based Upon Established Criteria
- Project Programming into the DOT&PF AIP Spending Plan

Airport Project Evaluation Board (APEB)

- APEB -- Six members composed of:
 - Deputy Commissioner of Aviation,
 - 3 Regional Directors (SER, CR, NR),
 - Program Development Director,
 - State Maintenance Chief.
- APEB generally meets annually to score proposed airport projects based on statewide evaluation criteria.

APEB Criteria

(3 Distinct Criteria Sets)

- **Airfield Improvements – 16 criteria**
- **Airport Buildings – 8 criteria**
- **Airport Equipment – 8 criteria**

Airfield Improvement Criteria

(16 Weighted Criteria)

- **Safety**
- **Health & Quality of Life (Access to Basic Necessities)**
- **Economic Benefits**
- **Community Support**
- **Community M&O Contribution**
- **Local Capital Contribution**
- **Maintenance & Operations Priority**
- **Security/Certification (Certified Airports Only)**

Airfield Improvement Criteria

(16 Weighted Criteria) Continued

- **Aviation Alternatives**
- **Community Transportation Alternatives**
- **Runway Length**
- **Runway Surface Condition**
- **Aviation Hazards: Trees in approach;
Aircraft in Safety Area; Severe
Xwinds/Turbulence**
- **Erosion/Flooding**
- **Other Factors Not Previously Evaluated**
- **Cost Effectiveness**

Project Nomination Information Required for APEB Evaluation

- **Project Description**
- **Justification**
- **Cost Estimate**
- **Information to respond to each criteria**
- **Supporting Information**
 - **Amount of AIP funding previously committed to the airport**
 - **Community population**
 - **Airport Enplanement data**
 - **Aerial Photo of Airport**
 - **Airport Layout Plan with Project Sketch**

Next APEB Meeting for Airfield Improvements

- Late January 2010 –
Probably January 25, 26 or 27

Questions ?

Buildings Evaluation Criteria

(8 Weighted Criteria)

- **Structure Safety**
- **Need for Building Improvements**
- **Airport Project Conditions**
- **Building Appearance**
- **Weather Conditions**
- **Airfield Safety**
- **Land Ownership**
- **Other Factors not Previously Considered**

Equipment Evaluation Criteria

(8 Weighted Criteria)

- **Equipment Age**
- **Hours or Miles**
- **Mechanical or Operating Condition**
- **Changes in Airfield Conditions and Needs**
- **Equipment Operational Safety**
- **Existing Equipment Inventory**
- **Equipment Options in the event of equipment failure**
- **Other Factors Not Evaluated**

APEB Airport Project Scoring

**Project scores are not comparable
between criteria sets.**

**The six APEB members total scores
are arithmetically averaged to
develop the project APEB score.**

APEB Airport Project Scoring

- **All projects receive a weighted score (raw score X criteria weight), based on ranking criteria.**
- **Project scoring is projected on a screen so it is visible, to increase consistency and accountability in scoring.**

Airport Projects Evaluated

Needs	Primary Airports	Non-Primary Airports
• Airfield Surfaces	\$497,551,000	\$880,319,000
• Buildings	\$50,882,000	\$45,491,000
• Equipment	<u>\$6,704,000</u>	<u>\$8,846,000</u>
Funds Needed	\$555,137,000	+ \$934,656,000

Total Rural Airports \$1,490,000,000

Spending Plan Development

Based on

- APEB evaluation scores.
- Expected completion of preconstruction requirements.
- APEB Policy direction to not displace projects programmed in the budget year or the next two future years, to the extent possible.
- Assumptions Regarding Future Funding Levels

DOT&PF AIP Spending Plan

- Spending Plan is constantly updated to reflect the latest project cost estimates, expected project delivery schedules and program funding expectations.